

## Work Instruction

**DIRECTIVE NO.** 540-WI-8072.1.2A  
**EFFECTIVE DATE:** 07/29/2004  
**EXPIRATION DATE:** 07/29/2009

**APPROVED BY Signature:** Original signed by  
**NAME:** Stanley Y. Chan  
**TITLE:** RECERT Manager

---

**Responsible Office:** 540/RECERT

**Title:** Recertification of Lifting Devices (LD) And Equipment (LE)

---

## PREFACE

### P.1 PURPOSE

This Procedure describes the step-by-step process to be used by Recertification Program (RECERT) Support Function personnel for the Recertification of Lifting Devices and Equipment (LDE) that include Lifting Devices (LD) and Lifting Equipment (LE).

### P.2 APPLICABILITY

This Procedure is applicable to LDE recertification activities at Greenbelt, MD and at the Wallops Flight Facility, VA.

### P.3 REFERENCES

P3.1 GMI 1710.6, Certification and Recertification of Lifting Devices and Equipment and Critical Lift Requirements.

P3.2 540-PG-8072.1.1, Certification and Recertification of Lifting Devices and Equipment (Recertification Program)

### P.4 CANCELLATION

540-WI-8072.1.2, Recertification of Lifting Devices (LD) And Equipment (LE)

### P.5 TOOLS, EQUIPMENT, AND MATERIALS

Applicable LDE certification procedures shall include any special tools, equipment, or materials necessary for certification of LDE.

### P.6 SAFETY PRECAUTIONS AND WARNINGS

Safety, caution and warning notes unique to LDE certification shall be included in applicable certification procedures.

CHECK THE GSFC DIRECTIVES MANAGEMENT SYSTEM AT

<http://gdms.gsfc.nasa.gov/gdms> TO VERIFY THAT THIS IS THE CORRECT VERSION PRIOR TO USE.

**DIRECTIVE NO.** 540-WI-8072.1.2A  
**EFFECTIVE DATE:** 07/29/2004  
**EXPIRATION DATE:** 07/29/2009

Page 2 of 6

## **P.7 TRAINING**

None

## **P.8 RECORDS**

<b>Record Title</b>	<b>Record Custodian</b>	<b>Retention</b>
Test & Inspection Reports for LDE	RECERT Manager for Greenbelt, Deputy RECERT Manager at WFF	PERMANENT – pending approval of record schedule.

## **P.9 METRICS**

None

## **P.10 DEFINITIONS**

None

CHECK THE GSFC DIRECTIVES MANAGEMENT SYSTEM AT  
<http://gdms.gsfc.nasa.gov/gdms> TO VERIFY THAT THIS IS THE CORRECT VERSION PRIOR TO USE.

## INSTRUCTIONS

The following STEPS are sequential unless noted otherwise.

### ACTION\*

- (E) A. For the first LD or structural LE Recertification, develop a LD- or LE-specific Recertification Procedure to include at least the following. For simple, nonstructural LE (shackles, rings, etc.) a generic Recertification Procedure must include at least items 2, 3, and 4 below. A table of values may be provided to comply with item 3.
  - 1. Identification of LE critical welds.
  - 2. Type and extent of NDT, including visual inspections, to be performed prior to Rated Load Test. Acceptance criteria must be provided.
  - 3. Step-by-step procedure for Rated Load Test, including the applied test load. Note: This procedure may be generic for multiple types of LE.
  - 4. Type and extent of NDT, including acceptance criteria, to be performed subsequent to Rated Load Test.
- (E) B. For subsequent LD or structural LE Recertifications, review existing LD- or LE-specific Recertification Procedure for continued applicability. (If the configuration has changed, or if the LD or LE has been structurally modified, follow 540-WI-8072.1.1, Certification of New or Modified Lifting Devices (LD) and Equipment (LE)).
- (E) C. Obtain RECERT Manager's approval of Recertification Procedure.
- (I) D. Perform pre-Rated Load Test NDT.
  - 1. If acceptable, proceed to STEP E.
  - 2. If unacceptable, the item is rejected. Proceed as directed by the RECERT Manager.
- (I) E. Perform Rated Load Test.
  - 1. If acceptable, proceed to STEP F.
  - 2. If unacceptable, the item is rejected. Proceed as directed by the RECERT Manager.
- (I) F. Perform post-Rated Load Test NDT.
  - 1. If acceptable, proceed to STEP G.
  - 2. If unacceptable, the item is rejected. Proceed as directed by the RECERT Manager.
- (I) G. Apply applicable Recertification Tag(s) (see Attachments), and release for service or return to Owner/User.

CHECK THE GSFC DIRECTIVES MANAGEMENT SYSTEM AT

<http://gdms.gsfc.nasa.gov/gdms> TO VERIFY THAT THIS IS THE CORRECT VERSION PRIOR TO USE.

<b>DIRECTIVE NO.</b>	<u>540-WI-8072.1.2A</u>
<b>EFFECTIVE DATE:</b>	<u>07/29/2004</u>
<b>EXPIRATION DATE:</b>	<u>07/29/2009</u>

Page 4 of 6

- (E) H. Obtain RECERT Manager approval of Recertification and file Procedure and Recertification Documentation in RECERT Master Files.
- (CSV) J. Update Certification Status Verification (CSV) System to include Certified LD and/or LE as applicable.

\* LEGEND: (E) – Engineering; (I) – Inspection; (CSV) – Certification Status Verification

CHECK THE GSFC DIRECTIVES MANAGEMENT SYSTEM AT  
<http://gdms.gsfc.nasa.gov/gdms> TO VERIFY THAT THIS IS THE CORRECT VERSION PRIOR TO USE.

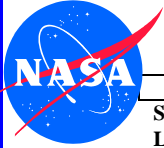
**DIRECTIVE NO.** 540-WI-8072.1.2A  
**EFFECTIVE DATE:** 07/29/2004  
**EXPIRATION DATE:** 07/29/2009

Page 5 of 6

### RECERT LDE Tags

Note: Typical GSFC Greenbelt tags are shown. WFF tags are similar but include WFF-specific designation and contact information.

	
GODDARD SPACE FLIGHT CENTER RECERTIFICATION PROGRAM	
<b><u>CERTIFIED</u></b>	
LDE/EQUIP. ID. NO. _____	
<input type="checkbox"/>	CRITICAL
<input type="checkbox"/>	NONCRITICAL
SWL # _____	
INSP'R _____	
INSP DATE _____	
DUE DATE _____	
RECERT SUPPORT:	
(301) 286-5181	

	GODDARD SPACE FLIGHT CENTER RECERTIFICATION PROGRAM	
	<b>CERTIFIED</b>	
<input type="checkbox"/>	CRITICAL	<input type="checkbox"/> NONCRITICAL
SWL# _____		LDE ID NO: _____
LOAD TEST WEIGHT: _____		
INSPR: _____		TEST DATE: _____
INSPECTION DUE DATE: _____		
RECERT SUPPORT: (301) 286-5181		

CHECK THE GSFC DIRECTIVES MANAGEMENT SYSTEM AT

<http://gdms.gsfc.nasa.gov/gdms> TO VERIFY THAT THIS IS THE CORRECT VERSION PRIOR TO USE.

**DIRECTIVE NO.** 540-WI-8072.1.2A  
**EFFECTIVE DATE:** 07/29/2004  
**EXPIRATION DATE:** 07/29/2009

Page 6 of 6

### CHANGE HISTORY LOG

Revision	Effective Date	Description of Changes
Baseline	02/22/2000	Initial Release
A	07/29/2004	Clarified that this WI is for RECERT Support Function personnel use in P1. Reworded STEPS D.2, E.2 and F.2 to remove mandatory NCR requirements for unacceptable NDT. Referred to Attachments for applicable certification tags in STEP G.

CHECK THE GSFC DIRECTIVES MANAGEMENT SYSTEM AT  
<http://gdms.gsfc.nasa.gov/gdms> TO VERIFY THAT THIS IS THE CORRECT VERSION PRIOR TO USE.